

Figure 1A

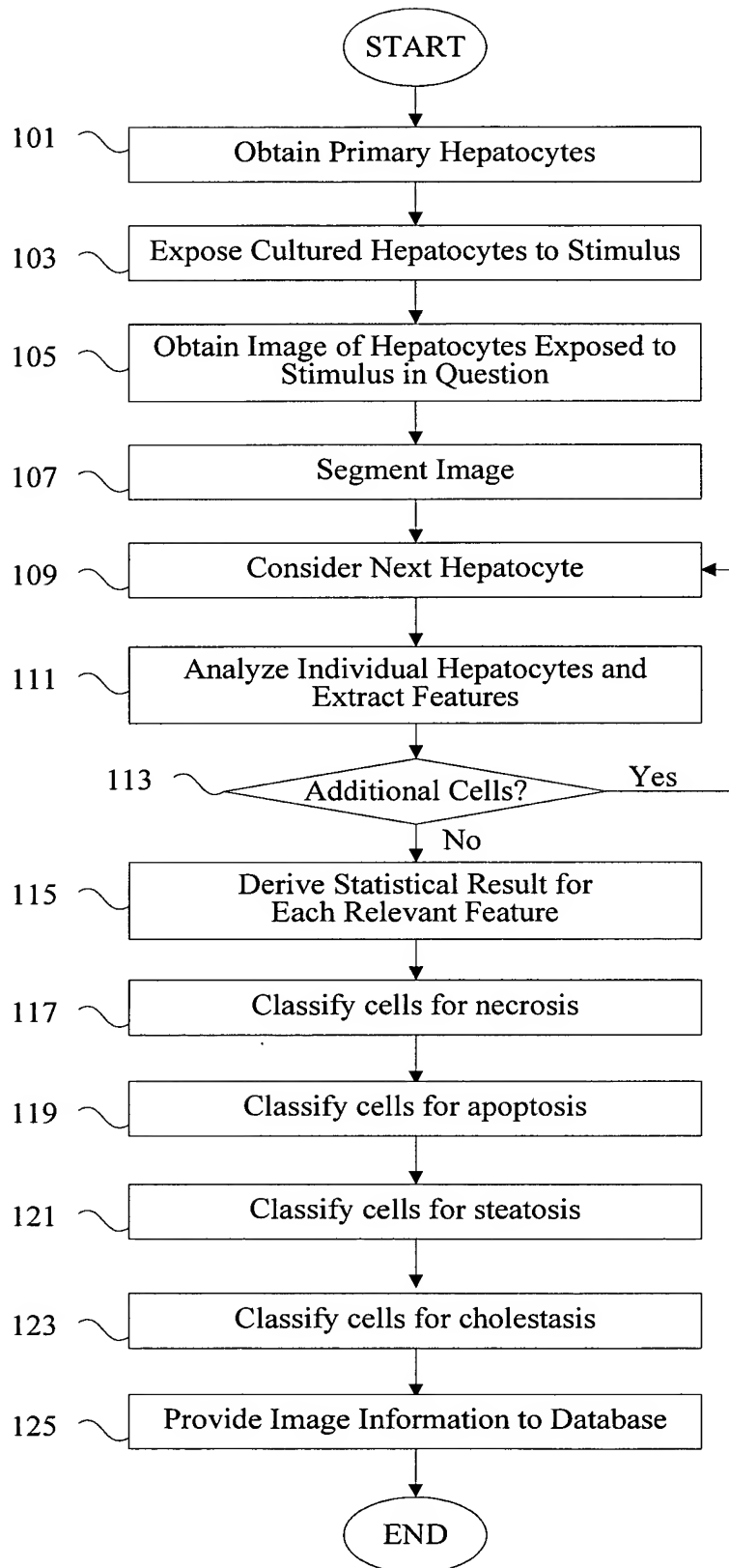


Figure 1B

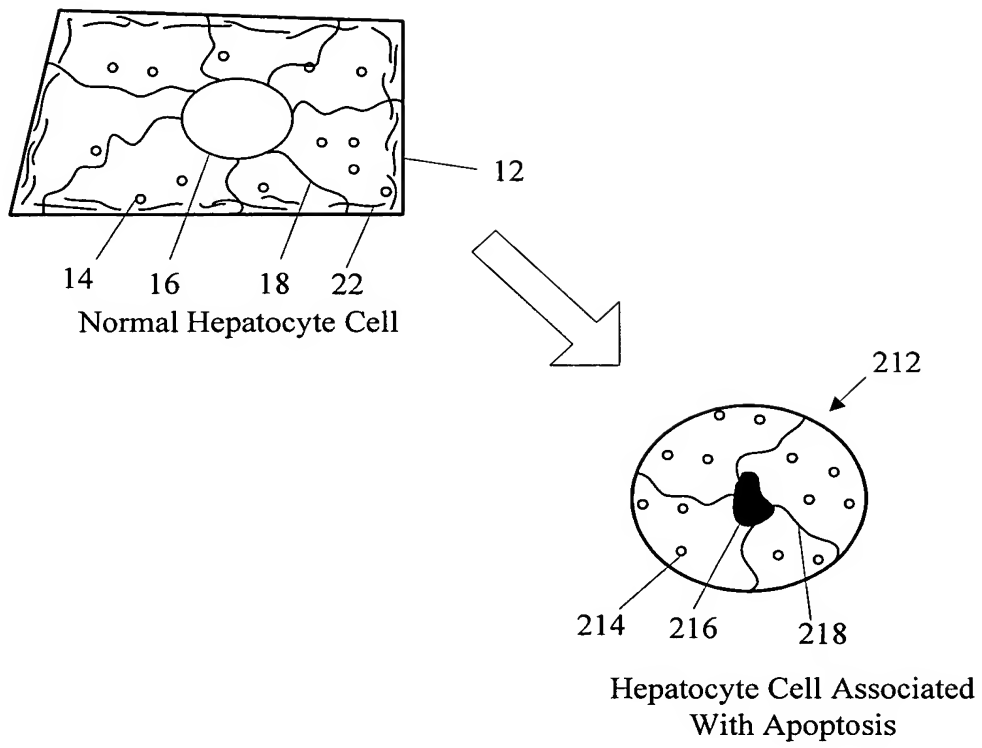


Figure 2

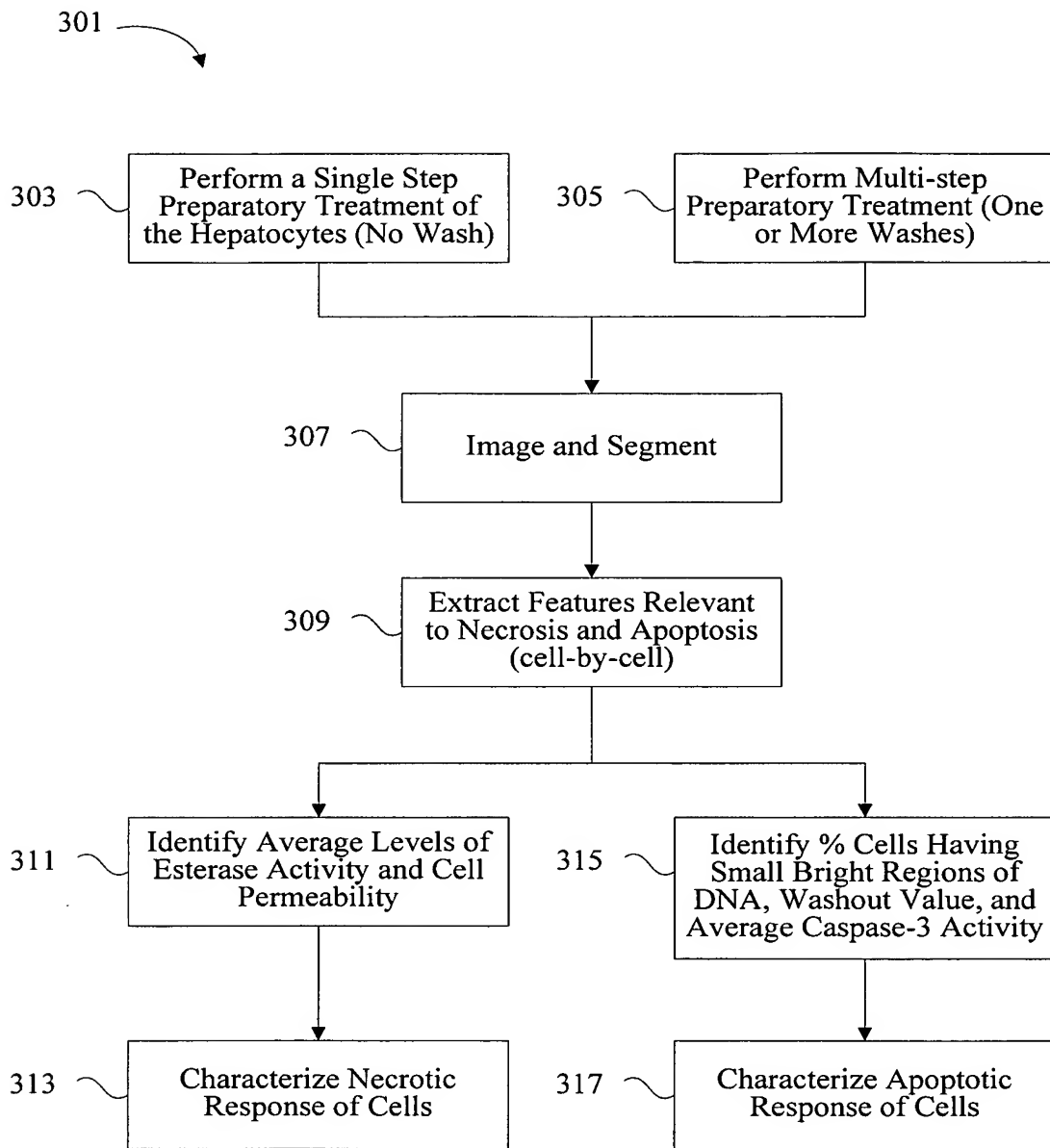


Figure 3

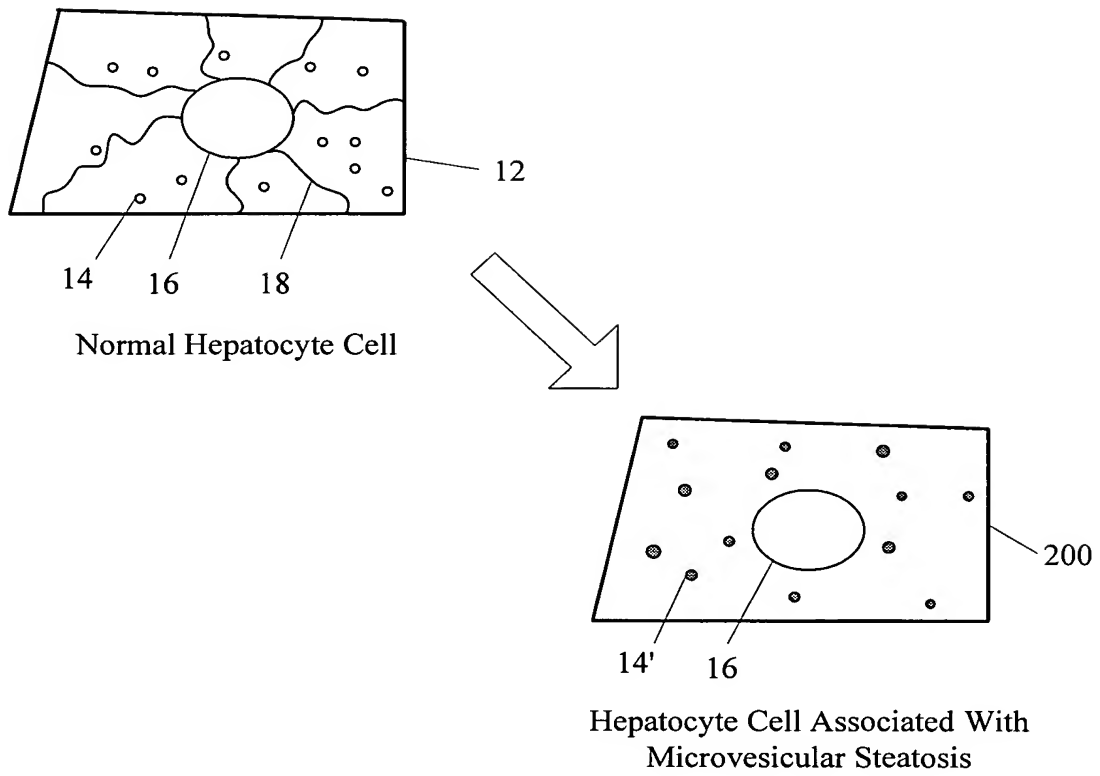


Figure 4A

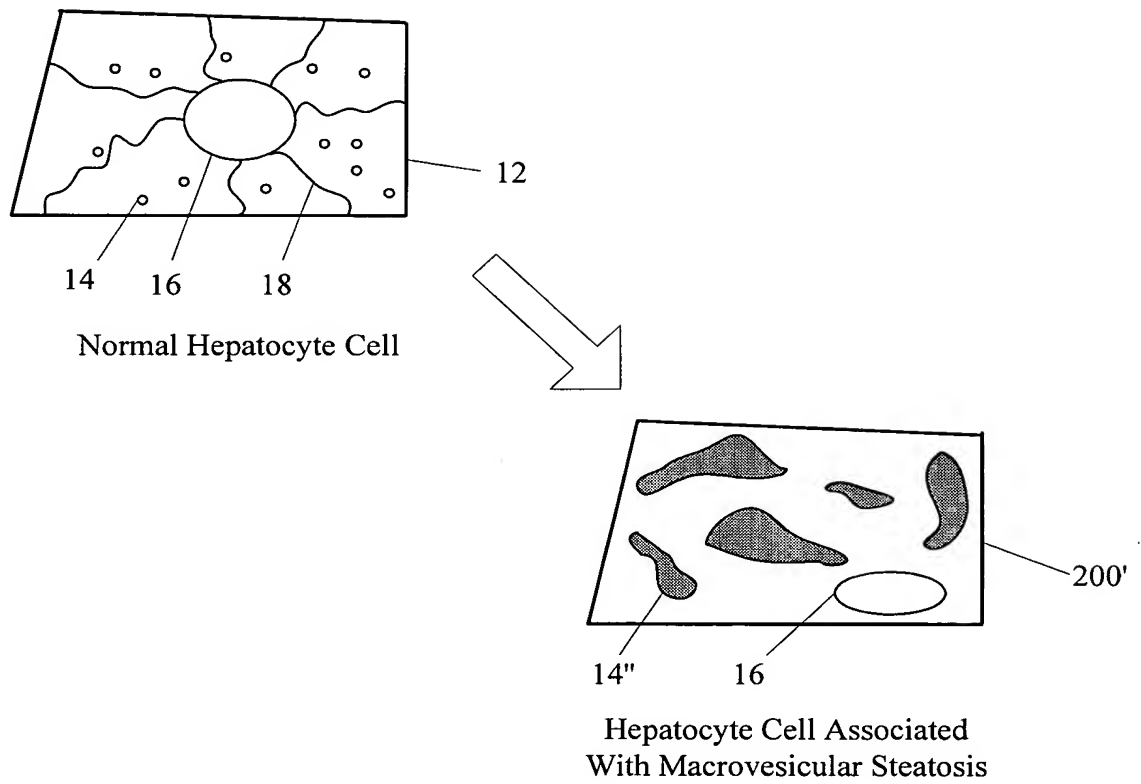


Figure 4B

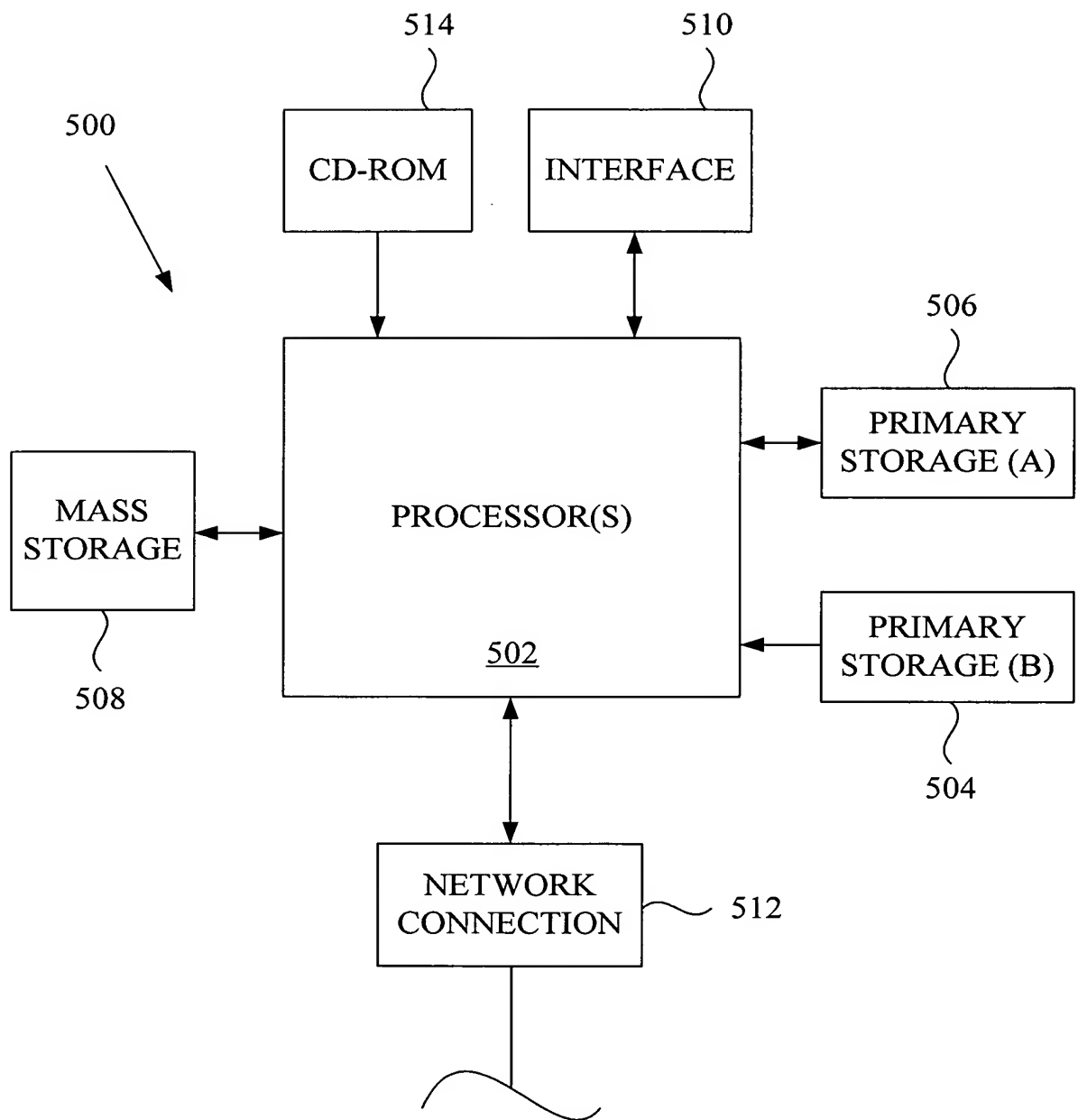


Figure 5

Plate Layout (6 Compounds, 9x2 fold dilutions, duplicate plates)

	1	2	3	4	5	6	7	8	9	10	11	12
A	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank
B	Blank	CTL	c1.d1	c1.d2	c1.d3	c1.d4	c1.d5	c1.d6	c1.d7	c1.d8	c1.d9	Blank
C	Blank	CTL	c2.d1	c2.d2	c2.d3	c2.d4	c2.d5	c2.d6	c2.d7	c2.d8	c2.d9	Blank
D	Blank	CTL	c3.d1	c3.d2	c3.d3	c3.d4	c3.d5	c3.d6	c3.d7	c3.d8	c3.d9	Blank
E	Blank	0.1% Triton	c4.d1	c4.d2	c4.d3	c4.d4	c4.d5	c4.d6	c4.d7	c4.d8	c4.d9	Blank
F	Blank	0.1% Triton	c5.d1	c5.d2	c5.d3	c5.d4	c5.d5	c5.d6	c5.d7	c5.d8	c5.d9	Blank
G	Blank	0.1% Triton	c6.d1	c6.d2	c6.d3	c6.d4	c6.d5	c6.d6	c6.d7	c6.d8	c6.d9	Blank
H	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank

Figure 6

Pathologies (ref. 1)

N=necrosis

C= cholestasis

S=steatosis

N/C=mixed N/C

F=fibrosis

VL=vascular lesion

P=phospholipidosis

T=tumor

Rat

Hepatocyte

SKOV3

MTS

CHO

MTS IC50

IC50

MTS IC50

<u>DRUGS</u>	<u>Therapeutic Class</u>	<u>MW</u>	<u>Stock Conc.</u>	<u>Solvent</u>	<u>N</u>	<u>C</u>	<u>S</u>	<u>N/C</u>	<u>F</u>	<u>VL</u>	<u>P</u>	<u>T</u>
--------------	--------------------------	-----------	--------------------	----------------	----------	----------	----------	------------	----------	-----------	----------	----------

Acetaminophen	Analgesic	151.2	4 M	DMSO	x							
Amiodarone	Antiarrhythmic	681.8	50 mM	DMSO	x							
Carbamazepine	Anticonvulsant	236.3	402 mM	DMSO				x				
Chlorpromazine	Neuroleptic	355.3	50 mM	DMSO		x						
Clozapine	Neuroleptic	326.8	140 mM	DMSO				x				
Coumarin	Anticoagulant	146.1	400 mM	DMSO		x						
Danazol	Antipituitary	337.5	410 mM	DMSO		x						
Dexamethasone	Immunosuppression	392.5	400 mM	DMSO		x						
Diclofenac	NSAID	318.1	400 mM	DMSO		x						
Diethylstilbestrol	Oncotherapy	268.4	200 mM	DMSO				x				
Erythromycin ethylsuccinate	Antibacterial	862.1	401 mM	DMSO		x						
Etoposide	Oncotherapy	588.6	318 mM	DMSO		x						

> 1000

860 uM

> 1000

uM

7 uM

263 uM

10 uM

31 uM

57 uM

> 1000

uM

34 uM

< 4 uM

131 uM

11 uM

> 1000

uM

> 1000 uM

> 795 uM

< 3 uM

Figure 7A

Pathologies (ref. 1)

N=necrosis

C= cholestasis

S=steatosis

N/C=mixed N/C

F=fibrosis

VL=vascular lesion

P=phospholipidosis

T=tumor

Rat

Hepatocyte

MTS IC50

SKOV3

MTS IC50

CHO

MTS IC50

MTS IC50

DRUGS Therapeutic Class MW Stock Conc. Solvent N C S N/C F VL P T

Halothane	Anesthetic	197.4	400 mM	DMSO	x								> 1000 uM	> 1000 uM	
Indomethacin	NSAID	357.8	400 mM	DMSO				x					289 uM	201 uM	
Isoniazid	Anti-TB	137.1	419 mM	DMSO	x								> 1000 uM	> 1000 uM	
Ketoconazole	Antifungal	531.4	56 mM	DMSO	x								42 uM	50 uM	
Methotrexate	Immunosuppression	454.4	411 mM	DMSO	x			x		x			> 1000 uM	> 1000 uM	
Methyl															
DOPA	Antihypertensive	203.7	354 mM	DMSO	x								> 800 uM	> 800 uM	
Phenobarbital	Anticonvulsant	232.2	4.3 mM	MeOH					x				> 11 uM	> 11 uM	
Phenytoin	Anticonvulsant	252.3	4 mM	MeOH					x				> 10 uM	> 10 uM	
Quinidine	Antiarrhythmic	324.4	414 mM	DMSO	x								66 uM	217 uM	
Rifampin	Anti-TB	823	400 mM	DMSO	x								Interference		
Streptomycin	Negative Control	1457	400 mM	Water									> 2000 uM	> 1000 uM	
Sulfisoxazole	Antibacterial	267.3	408 mM	DMSO					x				> 1000 uM	> 1000 uM	
	Cognition														
Tacrine	enhancer	234.7	400 mM	DMSO	x								151 uM	90 uM	125 uM
Tamoxifen	Oncotherapy	371.5	20 mM	DMSO				x	x				> 100 uM	11 uM	9 uM
Taxol	Oncotherapy	853.9	10 mM	DMSO									> 25 uM	< 100 nM	
Valproic acid	Anticonvulsant	166.2	400 mM	PBS	x			x					> 17 uM	> 17 uM	

Figure 7B